

SCHEDULE OF EVENTS

Friday, October 11

6:00 p.m. Registration and check-in at Oñate High School

PARENTS WELCOME

7:00 p.m. Welcome to the Mars Settlement Design Competition
Guest speakers on Mars and NASA's current Mars exploration plans
7:20 p.m. Presentation of weekend's activities
Student assignments to Design Competition companies
11:30 p.m. Lights out in Oñate High School sleeping quarters

Saturday, October 12

6:30 a.m. Lights on in sleeping quarters
Breakfast
7:30 a.m. Teams meet with their CEOs
8:30 a.m. Technical training sessions
9:00 a.m. Begin preparation of designs and proposals
10:30 a.m. Technical Library opens
Lunch
12:45 p.m. Preparation of designs and proposals
Teacher Workshop
Dinner
6:00 p.m. Preparation of designs and proposals
6:30 p.m. Technical Library closes
11:00 p.m. Lights out in sleeping quarters

Sunday, October 13

6:30 a.m. Lights on in sleeping quarters
7:30 a.m. DEADLINE FOR STUDENT COMPANIES TO SUBMIT FINISHED PROPOSALS
Breakfast
8:30 a.m. Clean up company headquarters and turn in materials
8:45 a.m. PARENTS WELCOME FOR SUNDAY ACTIVITIES
9:00 a.m. Company Design Proposal presentations begin
Lunch
12:15 p.m. Interactive Science Activities
1:00 p.m. Judges debriefing and announcement of Winning Proposal
3:30 p.m. Fourth Annual Mars Settlement Design Competition concludes
4:30 p.m.

SPONSORS

Honeywell HTSI

NASA Johnson Space Center

NASA White Sands Test Facility

National Management Association—

NASA/White Sands Chapter

Las Cruces Public School District, Oñate High School

American Institute of Aeronautics and Astronautics —

White Sands Space Harbor, NM Section

Orange County, CA Section

OÑATE HIGH SCHOOL LOCATION

The turnoff to the Oñate High School is located about 6 miles east of Las Cruces on Highway 70. Detailed maps and instructions for driving to Oñate High School will be sent to students, educators/chaperones who register for the competition.

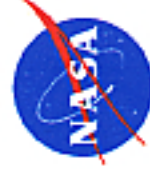
FOR MORE INFORMATION

After we receive your registration, we will send you detailed information about the competition, what to bring, and what will happen during the weekend. If you need more information now, before you register, please use the following sources:

1. <http://www.wsif.nasa.gov/Assoc/Education/Mars.htm>
2. E-Mail questions to: phaker@wsif.nasa.gov or mhallock@wsif.nasa.gov
3. Call Competition Coordinators Pledie Baker at (505) 524-5778 or Mike Hallock at (505) 524-5428.



Third Annual Mars Settlement Design Competition Winners 2001+ with Lou Barrera—CEO, Erin Edgerly—CEO, Bonnie Dunbar—Ph.D., Astronaut



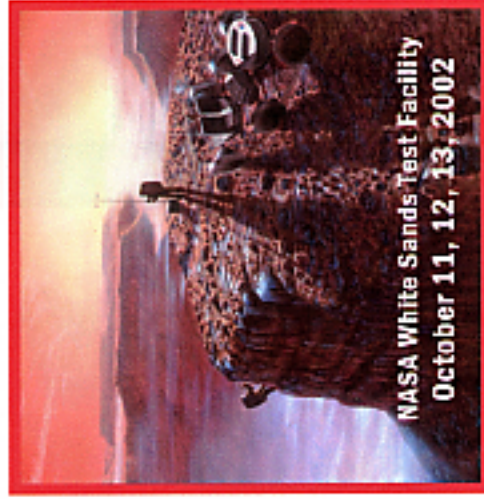
FOURTH ANNUAL

MARS

SETTLEMENT DESIGN COMPETITION

2002

High School Students
Grades 10, 11, 12



NASA White Sands Test Facility
October 11, 12, 13, 2002

MARS SETTLEMENT

DESIGN

COMPETITION

Conducted By

NASA

WHITE SANDS TEST

FACILITY

At OÑATE HIGH

SCHOOL

Las Cruces, New Mexico



The NASA – WSTF Mars Settlement Design Competition is an exciting industry simulation game for New Mexico high school students, set in the middle of the 21st century.

In our game scenario, The Foundation Society, a private organization that promotes human exploration and colonization of space, has issued an urgent call to industry to propose a design and operating plan for a new Mars base, for the terraforming of Mars.

This competition emulates the experience of working as a member of an aerospace company team, developing a design and operating proposal for the new Mars base. The requirements for the new base, specified by the Foundation Society, will be complex, challenging and exciting, requiring imaginative and innovative approaches and solutions.

Students with a variety of skills will be teamed with others to form four competing student companies. Up to 140 students will be able to take part in the competition among the four companies. You don't need to be a science or math "star" to participate and enjoy this competition. It takes a wide variety of people, talents and skills to successfully design and prepare a proposal for a project this large. Each student company will need analysts, planners, artists, writers, organizers, managers, and others with imagination and creativity.

You will be provided with a professional NASA or industry manager to serve as your company's Chief Executive Officer. Aerospace experts will provide you with all the training, guidance and information necessary to help your company organize its activities and to prepare a winning design and proposal. The competition concludes with your student company's proposal presentation to a panel of NASA and industry judges, who will select the winning proposal.

By participating in the Mars Space Settlement Design Competition you will learn much about Mars, space science, the space environment, terraforming, engineering careers, organizing, integration of complex activities, teamwork, management, and effective communications in an exciting and unusual context.

WHEN AND WHERE ?

The Fourth Annual NASA – White Sands Test Facility Mars Settlement Design Competition takes place Friday evening, October 11, through Sunday afternoon, October 13, 2002, at the Oñate High School, Las Cruces, New Mexico.

MEALS, SLEEPING QUARTERS AND HYGIENE FACILITIES

All Saturday meals, as well as Sunday breakfast and lunch, and snacks will be provided. Chaperooned overnight sleeping areas for students and educator/chaperones will be provided at Oñate High School with separate accommodations for males and females. Sleeping will be on carpeted classroom floors. NO cots or mattresses will be provided. Sleeping room assignments are not made, but there will be limits on the number of students allowed in each individual room. Separate shower facilities are provided, at the gym, but there are no private shower stalls.

WHAT DO I NEED TO BRING ?

First of all, bring your enthusiasm and imagination! You will also need a sleeping bag, pillow, medicines, toiletries, and any other personal items you might need during a weekend away from home. Cameras are allowed, as you are encouraged to take pictures during the competition activities. Please feel free to bring a cot or mattress if you would prefer not to sleep on the carpeted floor. Be sure to identify your property by marking your name on all items.

WHAT DOES IT COST ?

The cost for the entire weekend is only \$35. This includes all meals on Saturday, two meals on Sunday, snacks, competition T-Shirt, certificates, awards, and all other competition-related expenses. You may wish to bring some cash for additional snacks and drinks from the vending machines in the competition areas and mementos from the NASA gift shop.

HOW DO I REGISTER ?

Obtain a registration form from your teacher or the NASA WSTF web site <http://www.wstf.nasa.gov/Assoc/Education/Mars.htm>. Complete the registration form and mail it with your check or money order for \$35 to the address shown on the form. We suggest that you also FAX a copy of your Registration Form to (505) 524-5798. While Faxing your Registration form does not ensure you are registered, it will allow us to contact you if we do not receive your original Registration Form and payment in the mail in a timely manner. For this reason, your form should contain current locator information that is legible.

REGISTRATION DEADLINE EXTENDED

Registration forms accepted through October 7, 2002, to allow completion of the Competition administrative activities.

OTHER IMPORTANT INFORMATION

1. Up to 140 students may participate in this year's Mars Settlement Design Competition. Sign up early to be sure you can join us.
2. To optimize the skill mix on the four student company teams, registration is by individuals only; teams of students seeking to register together as members of the same team cannot be accommodated. However, we do suggest that you come with schoolmates to reduce travel expenses. NASA White Sands Test Facility does not provide or arrange your travel. If requested, we can inform you if there are other students registered from your school or neighboring schools, so that you could contact them to coordinate travel.
3. Parental/Guardian Consent Form and Emergency Treatment Form for Minors will be sent to you following your registration and must be signed and returned by October 4, 2002 for you to participate in this event. We highly recommend that you make a copy of these forms and bring them with you when you come, in case the ones mailed do not arrive.